

REMARKS

The Examiner is thanked for the telephone interview of August 16, 2005. In the interview, independent claims 1, 20, 30, 31 and 43 were discussed along with the cited references. During the discussion, some language was agreed upon and this language has been introduced into independent claims 1, 20 and 30 as shown above. The language of claim 43 was also discussed, and it was found to overcome all of the cited references. The discussion also led to the decision to cancel claim 31 and its dependents in order to expedite the prosecution of this case. The Applicant reserves the right to proceed with these claims in a continuing application. In addition to the above, some cases related to the present invention were also discussed.

In the Office Action, the Examiner rejected claims 1-8, 10-12, 14-27, 29-34 and 36-47 under 103. These rejections are fully traversed below.

Claims 1, 20 and 30 have been amended. Claims 31-34, 42 and 48-50 have been cancelled. Thus, claims 1-8, 10-12, 14-27, 29-30, and 36-47 are pending in the application. Reconsideration of the application is respectfully requested based on the following remarks.

Claim Rejections – 35 USC 103

Claims 31-34 and 42 have been rejected under 35 U.S.C. 103(a) as being unpatentable over *Bareket* (EP 0818814), and further in view of *Dirksen* et al (5,674,650).

These claims have been cancelled.

Claims 30, 40 and 41 have been rejected under 35 U.S.C. 103(a) as being unpatentable over *Cresswell* (5,617,340), and further in view of *Dirksen* et al (5,674,650).

As discussed with the Examiner, claim 30 (and its dependents) should be allowed as neither reference teaches or suggests, "...each of the coarsely segmented elements being formed by a plurality of finely segmented elements that are evenly divided across the entire coarsely segmented element...." as required by claim 30.

Claims 1-8, 10-12, 14-27, 29, 36-39 and 48-50 have been rejected under 35 U.S.C. 103(a) as being unpatentable over *Kaiser* (5,172,190) in view of *Bareket* and further in view of *Dirksen*.

As discussed with the Examiner, claim 1 (and its dependents) should be allowed as none of these references teach or suggest, "...each of the periodic structures including a plurality of coarsely segmented elements that are each formed from a plurality of finely segmented elements, the plurality of finely segmented elements being evenly divided over the entire coarsely segmented elements...." as required by claim 1.

As discussed with the Examiner, claim 20 (and its dependents) should be allowed as none of these references teach or suggest, "...the plurality of finely segmented elements being evenly divided across the entire coarsely segmented elements...." as required by claim 20.

Claims 43-47 have been rejected under 35 U.S.C. 103(a) as being unpatentable over *Dirksen* in view of *Cresswell*.

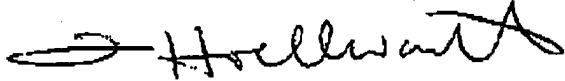
As discussed with the Examiner, claim 43 (and its dependents) should be allowed as neither reference teaches or suggests, "...each of the four quadrants including at least two separately generated working zones that are juxtaposed relative to one another..." as required by claim 43.

SUMMARY

Applicant believes that all pending claims are allowable and respectfully requests a Notice of Allowance for this application from the Examiner. Should the Examiner believe that a telephone conference would expedite the prosecution of this application, the undersigned can be reached at the telephone number set out below.

Respectfully submitted,

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